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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/715,849

11/19/2003

Robert A. Warner

44024-021

3963

7590

03/06/2006

MCDERMOTT, WILL & EMERY  
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Washington, DC 20005-3096

EXAMINER

SALATA, ANTHONY J

ART UNIT

PAPER NUMBER

2837

DATE MAILED: 03/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/715,849		WARNER, ROBERT A.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Jonathan Salata		2837	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 November 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>6-24-04, 5-5-04</u> . | 6) <input type="checkbox"/> Other: ____.  |



UNITED STATES DEPARTMENT OF COMMERCE  
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ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND  
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Washington, D.C. 20231

Paper No:03022006  
Application No:10/715849  
Filing Date: November 19,2003

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. It should be brief but technically accurate and descriptive, preferably from two to seven words. See 37 CFR 1.72(a).

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "carrier/transmitter" ie. Remote control, must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New

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Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

3. The disclosure is objected to because of the following informalities: The terminology of 4D detection throughout the specification is confusing. It implies that there is a dimensional detection different from that of the conventional 2D. Rather, the instant invention appears to be directed towards a remote control of the door operating system.

Appropriate correction is required.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-14,17-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Full et al (5886307) and Weingarden (5964319).

Full et al teaches in figures 1-4, a safety system for elevator sliding doors. Car doors 28,30 and hoistway doors 24,26 are operated in an elevator system. IR arrays 40,42 are present to provide obstruction detection in 2D. Also shown is 3D detection.

The Full et al system for obstruction detection and control of the door operator is acknowledged by applicant to be known within the art.

Full et al does not illustrate a remote control system for the door operation.

Weingarden teaches that for improved safety and convenience for maintenance personnel, hospital workers, etc. it is advantageous to provide a remote control device to operate the doors by increasing the dwell time or holding the doors open. As illustrated, the device is placed in conjunction with the button control 24 within the elevator car .

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Thus, to provide a remote control to improve the convenience and safety of workers, it would have been an obvious engineering design choice to one of ordinary skill in the art.

6. Claims 15,16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Full et al and Weingarden as applied to claims 1-14,17-24 above, and further in view of Bowman et al (6828918).

Full et al and Weingarden do not illustrate a display or alarm for the acknowledgement of the transmitter signal.

Bowman et al teaches that for improved accessibility for a handicapped person, it is advantageous to provide a remote control system for the operation of the elevator call, door control system. As illustrated, a panel 110 contains a display 114 for audio/visual indication of a command from remote unit 106 to inform the user.

Thus, to utilize a audio/visual signal to inform a user of the transmitter reception signal would have been an obvious engineering design choice to one of ordinary skill in the art.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Yoshida et al., Lumme et al., takeuchi et al., Romao and Meguerdichian et al are cited to illustrate similar elevator remote control devices.

A shortened statutory period for response to this action is set to expire 3 months from the date of this letter.

Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Any inquiry of a **general nature** should be directed to the **Group receptionist whose telephone number is (571) 272-2800**.

**Information regarding the STATUS of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either private PAIR or public PARI. Status information for unpublished applications is available through Private PAIR ONLY. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Any questions on access to PAIR, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).**

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Papers related to this application may be submitted to Group 2800 by facsimile transmission. Papers should be faxed to Group 2800 via the PTO 2800 Fax Center. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 O.G. 30 (November 15, 1989). The Fax Center number is (571) 273-8300.

For assistance in **Patent procedure, fees or general Patent questions** calls should be directed to the **Inventors Assistance Center (IAC)** whose telephone number is **800-PTO-9199 or 800-786-9199**. Assistance is also available on the Internet at [www.uspto.gov](http://www.uspto.gov).

For requesting **copies of Cited Art, Office Actions or the like, response to Status Letters, lost papers or files or General Problem solving**, calls should be directed to the **TC 2800 Customer Service Office** whose telephone number is **571-272-2800 or by fax at 571-273-8300**.

Any inquiry concerning **this communication or earlier communications from the examiner** should be directed to **Jonathan Salata** whose telephone number is **(571) 272-2073**. The examiner does not have as detailed access as the previously listed numbers with regard to status or general problem solving. The examiner can normally be reached on Monday through Thursday from 7:30 am to 2:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley, can be reached on (571) 272-2800 ext 33.

ajs

March 2, 2006

  
JONATHAN SALATA  
PRIMARY EXAMINER  
ART UNIT 2837